

## **ABSTRACT**

An improved garment seam with bonded fabric surfaces caused by the melting of at least one low-melt sewing thread that is used in conjunction with conventional high-melt sewing threads to construct the seam. The melted low-melt sewing thread acts like an adhesive to bond together the folds of fabric making up the seam. A sufficient amount of heat, and if necessary pressure, is applied to the seam which causes the low-melt thread to flow into the fabric interstices thereby creating a seam and permanently bonding the first and second garment components together along the seam to produce a stronger seam that is possible using stitches comprised of conventional high-melt sewing thread alone.